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UME-36Pro

User Manual

Universal Memory Exchanger

for mobile phones

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UME-36Pro
User Manual

www.cellebrite.com

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WARNING: The UME-36Pro should be used only with the dedicated AC/DC adapter supplied with this device.

WARNING: USB, Ethernet and target and source connectors should be connected only to CE approved devices (according to IEC/EN 60065 standard).

WARNING: Make sure that all external connections to other devices (except for the power adapter) are only indoor and SELV (safety extra low voltage, not exceed 42.4 Vpeak or 60Vdc).

UME36UM1107

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Chapter 1. Introduction

The Cellebrite UME-36Pro provides you with the ability to easily transfer data between a wide variety of mobile phones, including PDA, Palm OS and Blackberry. The UME works cross-vendor and cross-technology.

The UME can be used at cellular carrier Point-of-Sale and service locations.

Content that can be transferred includes: Phonebook, SMS text messages, pictures, video, ringtones and audio (music files and recordings).

Cellebrite continually provides updates to support new phones, even before they are released to market.

NOTE: A self-running tutorial covering the main features of the UME can help you learn interactively about the UME. The tutorial can be found on the CD that comes with this kit, or on the Cellebrite website: www.cellebrite.com

1.1. UME-36Pro Kit Contents

Your UME-36Pro kit comes in a convenient kit carrying case.

The contents of this kit include:

- The UME-36Pro unit

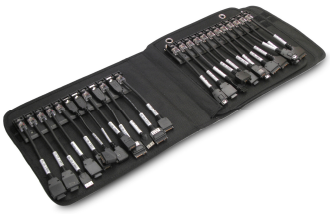
- Power supply

- A CD containing UME-36Pro Manager Software and Utilities

- A Bluetooth USB adapter

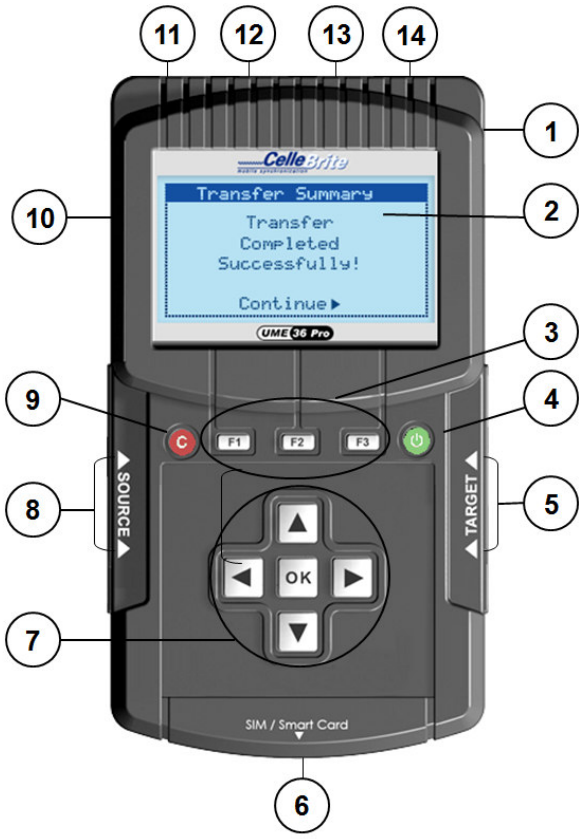
- A mini-USB cable, to connect the UME to a PC

- This User Manual, plus a Quick Guide card
- Cable kit



- Cleaning Brush for cleaning the phone connectors

1.2. UME-36Pro Overview



1. Power Supply (Connect to power adapter)
2. LCD Display
3. Function Keys (F1 for help. F2 for select/deselect all)
4. ON/OFF Power Button
5. Target-side Connectors (Connect phone via USB, serial or IR)
6. SIM / Smart Card Slots (Slot for reading / writing SIM cards and smart cards)
7. Navigation Keys (For navigating the UME menu)
8. Source-side Connectors (Connect phone via USB, serial or IR)
9. Cancel Button
10. SD Card Slot (Reading / writing SD cards)
11. External USB Port (Bluetooth dongle or other external devices such as keyboard)
12. Serial connection (not in use)
13. Ethernet port (Connect to network for automatic updates and for uploading statistics data)
14. Mini-USB Port (Connect to PC via mini-USB cable)

Chapter 2. Getting Started

To set up your UME-36Pro for the first time:

Unpack your UME from the kit (See Chapter 1). Connect the power supply adapter to the UME. "Please Wait" appears briefly on the screen, followed by a screen showing the version numbers. When initially starting the UME you need to set the date and time. The UME is ready to be used, and the Main Menu is displayed.

2.1. The Main Menu

From the Main Menu, you have four options.

Phone to phone Transfer

Transfer data from a one mobile phone or SIM card to another mobile phone or SIM card (see Chapter 3).

Backup

Choose this option to backup data from a mobile phone to a PC or to a portable storage such as a USB disk drive or an SD card (see Chapter 7).

Restore

Choose this option to restore data from a PC or portable storage to a mobile phone (see Chapter 7).

Services

The Services allows you to upgrade your UME with updated phone support (see Chapter 8). In addition, you can use Services to perform various administrative tasks (see Chapter 9).

2.2. Menu Navigation

The UME shows menu options on the display.

- Use the ▲▼ keys to move between options**.**
- To select an option, press ► or the **OK** key**.**
- To return to the previous menu, press ◄. When additional help is available, a help icon will appear in the upper left of the screen. Press F1 to view this help.

Chapter 3. Phone to Phone Transfer

3.1. Overview

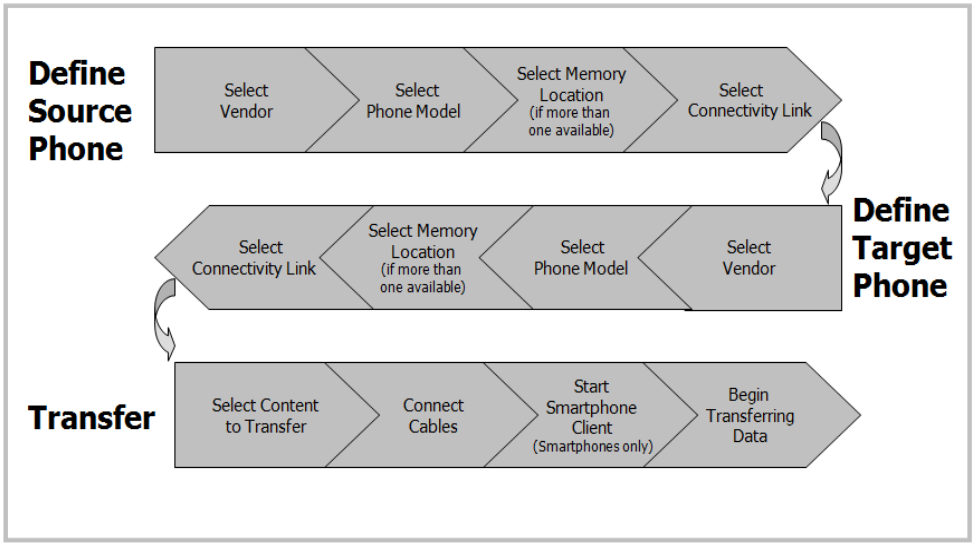
Select *Phone to Phone Transfer* from the main menu in order to copy data from one phone (the source) to another phone (the target).

This function is the most common usage of the UME. Use it to transfer phonebooks, SMS text messages, pictures, etc. from an old phone to a new phone. It is also helpful if you need to provide a temporary loaner replacement to a customer.

The UME guides you each step of the way during this process.

3.2. Flowchart

The overall flow when performing Phone to Phone Transfer is as follows:



3.3. Phone to Phone Transfer Procedure

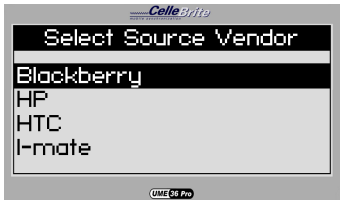
Follow the steps below to perform a Phone to Phone Transfer.

1. Main Menu

Select Phone to Phone Transfer from the main menu.

Use the ▲▼ keys to move between options. Press OK or ► to continue.

2.Source Vendor

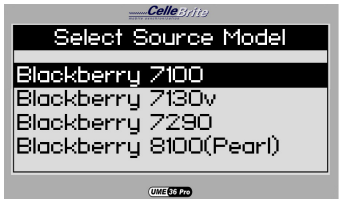


Select the vendor (manufacturer) of the source phone.

Use the ▲▼ keys to move between options. Press OK or ► to continue.

NOTE: To copy from a SIM card, select SIM Reader (See Chapter 5).

3.Source Model



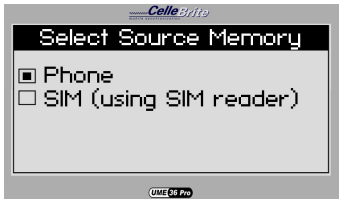
Select the source phone model.

NOTE: If you do not know the model, you can often find the phone model on a sticker beneath the battery.

Use the ▲▼ keys to move between options. Press OK or ► to continue.

To return to the previous menu, press ◄.

4.Source Memory



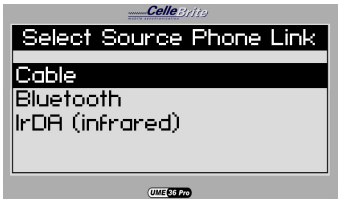
Select the source memory location you wish to copy.

Use the ▲▼ keys to move between options. Press OK or ► to continue.

NOTE: Some phones do not allow access to the SIM card data via the data cable.

In these cases, you will be prompted during the transfer process to remove the SIM card and insert it into the SIM Card Slot**.** (See Chapter 4)

5.Source Link



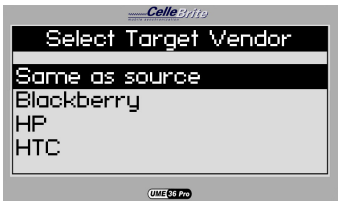
This step determines how the source phone will connect to the UME. This message appears only if the phone supports more than one connection method (Cable, IrDA-Infrared or Bluetooth).

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

NOTE: For best speed and reliability, we recommend using cable whenever possible. (See step #11 for details.)

You are now done defining the source device. Next, you will follow a similar process for the target device.

6.Target Vendor

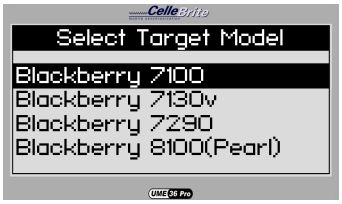


Select the target phone vendor.

NOTE: To copy to a SIM card, select SIM Reader. (see Chapter 5)

Use the ▲▼keys to move between options**.** Press OK or ► to continue**.**

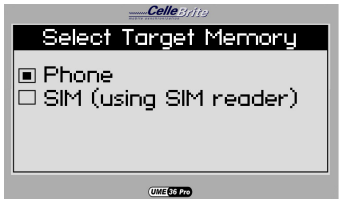
7.Target Model



Select the target phone model.

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

8. Target Memory



Select the target memory location to be copied to.

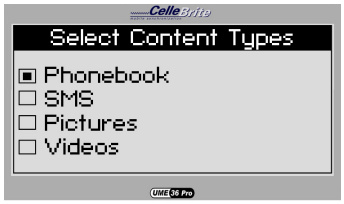
Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

9. Target Link

This step determines how the target phone will connect to the UME. This message appears only if the phone supports more than one connection method (Cable, IrDA-Infrared or Bluetooth).

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

10. Content Types

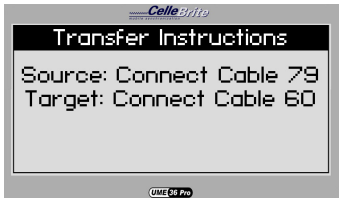


Select content types to be transferred. The UME displays the options according to the capabilities available in both the source phone and the target phone. (ex. If one of the phones does not support video, the "Videos" option will not appear).

Use the ▲▼ keys to move between options**.** Press OK to select an option. Press ► to continue**.**

NOTE: Transfer time varies according to the data types selected. Selecting all options will increase the transfer time.

11. Transfer Instructions: Connection



The UME now displays the cable numbers to be used to connect the phones to the UME.

NOTE: The UME temporarily copies the data from the source phone to the UME device. You may, at this stage, connect only the source phone to

the UME using the suggested cable and when complete, connect the target phone. This is necessary if you need the same cable for both source and target.

NOTE: When connected to the UME, some phones will prompt you to choose an operating mode, such as "PC Suite" or "Phone Mode".

Press ► to continue**.**

Press F1 at any time for assistance.

- If connecting via cable, the UME informs you which cable number to use. Find the cables in the cable organizer, according to the numbers indicated on the cable.
- If connecting via Bluetooth, refer to Chapter 6 for details.
- If connecting via IrDA (Infrared), place the phone with its infrared port directly in front of the UME's source or target infrared port.

WARNING: **After reading the data from the source phone, the UME will delete all contacts and SMS text messages on the target phone. Verify that the source phone is connected to the left side and the target phone is on the right side.**

12. Smartphone / PDA Installation

If the device is a Smart Phone or PDA, you may need to install a client application on the phone. (See Chapter 4)

Press ► to continue**.**

13. Transfer

The UME now transfers the data.

14. Completion

Upon the completion of the process the UME- displays a message.

Chapter 4. Smart Phones/PDA Support

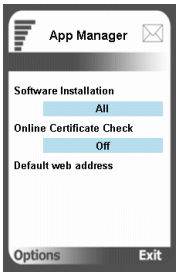
When transferring data from or to Smart Phones and PDA's, you will be asked to upload a client application from the UME to the phone. This application enables access to the device memory. The UME will inform you when this is necessary. The process is described below.

NOTE: During this process, the UME will always guide you with prompts and instructions. The F1 key provides additional help.

1.Phone Settings

Before you start, ensure that the phone's date is set correctly.

Also, Symbian-based phones require that you set Software Installation to *"All"* and Online Certificate Check to "*Off*". These Settings are typically found under *MenuKey / Settings / Phone Settings / Applications / App* Manager



2. Client Upload

The UME is ready to upload the client installation file to the phone.

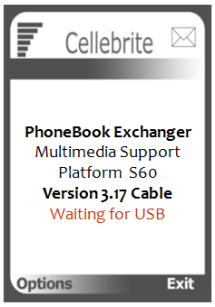
3.Install Client Prompt

The UME now instructs you to run the installation on the phone.

4.Install and Run the client

If the phone prompts you to install, follow the installation steps. Then run the application.

You can identify it by the icon.



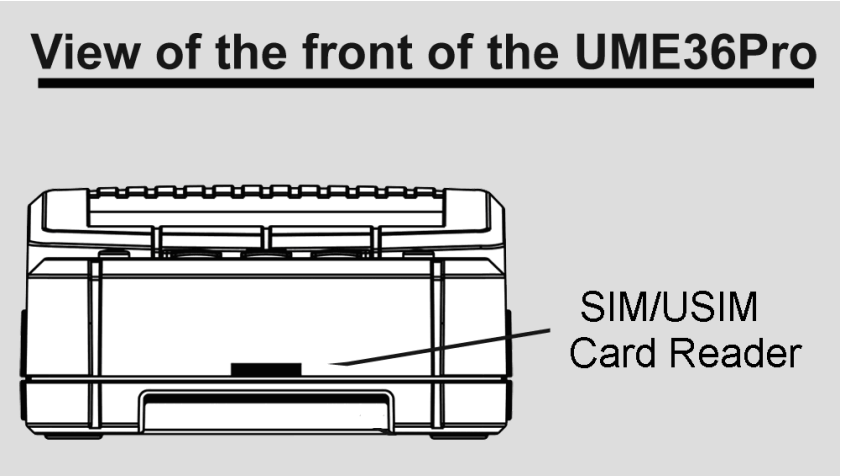
Pressing F1 on the UME will inform you of the exact location where the program can be found.

NOTE: On Blackberry devices, it is located at the end of the Main Menu. On Windows Mobile devices, it is located in My Documents.

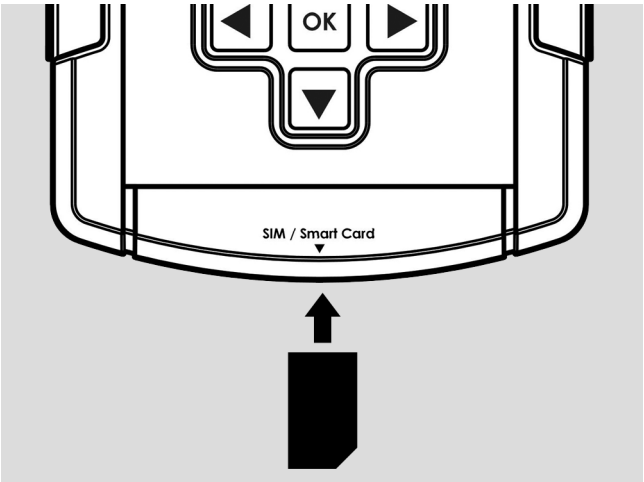
NOTE: After completing the entire transfer/backup/restore process, you can uninstall the client from the phone. To do this, use the phone's application manager

Chapter 5. Transferring Data To and From SIM/USIM Cards

Your UME is equipped an integrated SIM/USIM card reader. It is located at the bottom of the UME, as shown below.



When using the SIM Card Reader, insert the SIM as shown in the picture below. Be sure that the angled side is on the outer side. The actual SIM contacts should be facing down.



The SIM card reader is used when you perform a SIM to SIM transfer, a SIM to phone transfer, or a phone to SIM transfer.

The procedure for transferring data to and from a SIM card is similar to the Phone to Phone Transfer procedure described in Chapter 3. The main difference is that you select "SIM Reader" when asked to choose the Vendor.

NOTE: If the SIM is protected with a PIN, you will need to enter the PIN during the transfer process. To enter the PIN code, use the ▲▼keys to move the cursor to the required digit, and press OK to select that digit. Repeat this for each digit of the PIN. To delete a digit, press the © key. When complete, press F3

Chapter 6. Using Bluetooth Connectivity

On some phones, the UME enables you to use Bluetooth instead of data cables for transferring data (Phone to Phone Transfer, Backup or Restore). When you choose Bluetooth for the connectivity type, follow these instructions:

6.1. Phone Settings

On the mobile phone, you must enable the phone to connect via Bluetooth, by turning Bluetooth capabilities on.

In addition, you must set the Bluetooth services to 'Visible' on the phone.

6.2. UME Bluetooth Adapter

The UME kit comes with a Bluetooth USB adapter, as shown below.

Insert the Bluetooth adapter in either of the two USB ports at the top of the UME, as shown below. Press ► to continue.

6.3. Identifying the Phone via Bluetooth

The UME searches for visible Bluetooth devices within its proximity, and provides a list of all devices that it finds. Select the appropriate device from this list. Use the ▲▼ keys to move between options. Press ► to continue. The UME then instructs you to enter "0000" in the phone to complete the paring between the devices. Once doing this, all data transfer between the UME and the phone will be performed using Bluetooth.

Chapter 7. Backup and Restore

7.1. Overview

Cellebrite UME enables you to easily backup and manage the content stored on your mobile phone. You can copy content from any mobile phone to a PC, USB Disk drive or SD Card, or to a Backup Server using Web connectivity (when available).

In addition to the Backup/Restore capabilities of this UME product, there are also further capabilities available using Cellebrite's Backup and Restore Server, which allows you to manage centralized data backups in order to manage phone data remotely via a central database server over the Internet. The Backup and Restore Server is not included in the UME-36Pro product.

1. Backup to USB Disk Drive
2. Backup to SD Card
3. Backup to PC
4. Backup to Web via HTTP

Similar to with Phone to Phone Transfer, the backup and restore process requires that you specify the source, the target and the content to be backed up.

7.2. Backup Procedure to USB or SD Card

1. Main Menu

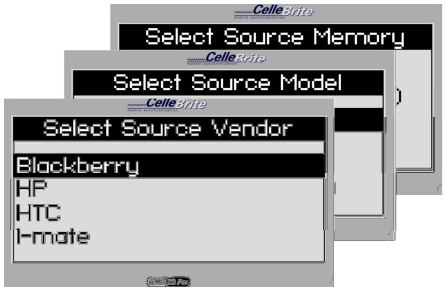
Select Backup from the main menu and press ► to continue.

2.Select Backup Source

Select the source phone vendor, model, source memory to backup and source link method.

This part of the process is identical to that of Phone to Phone Transfer. (see Section 3.3).

Use the ▲▼ keys to move between options. Press OK or ► to continue.

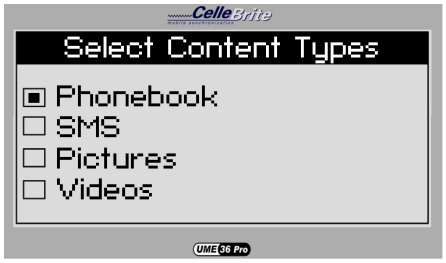


3.Select Backup Target

Select USB Disk drive or SD Card, as desired.

Use the ▲▼ keys to move between options. Press OK or ► to continue.

4.Select Content Types



Select the content to backup. The UME can backup Phonebook, SMS, pictures, video, ring tones and music. The options that appear in this menu vary according to the capabilities of the source phone.

Use the ▲▼keys to move between options**.** Press OK to select an option. Press ► to continue**.**

5.Transfer Instructions

The UME now provides instructions on how to connect the source phone to the UME.

If the device is a Smart Phone or PDA, you may need to install a client application on the phone. (See Chapter 4).

Press ► to continue**.**

6.Transfer

The UME now copies all of the content from the source to the target.

7.Completion

Upon the completion of the process the UME- displays a completion message.

WARNING: Do not disconnect the phone or the power adaptor during the transfer process! Once started, the backup process should not be interrupted.

7.3. Backup Procedure to PC

The UME provides you with Cellebrite Content Manager software, which you can use to manage phone data on your PC. The Backup procedure can perform the backup directly to the Content Manager software.

1. Install Content Manager software on PC

In order to install the Content Manager, you first need to install the Microsoft Dot Net support. You can find the dotnetfx.exe file on the Cellebrite CD. Click on this file and follow the installation instructions.

Next, click on the *Content Manager setup.exe* and follow the installation instructions.

2. Run Content Manager on PC

Launch the Content Manager program on your PC. It can be found on the *Start* menu under *Programs / Cellebrite / UME-36 Content Manager.*

3. Connect the UME to the PC using mini-USB cable

Use the mini-USB cable that comes in the UME kit to connect the UME device to your computer. The small end of the cable connects to the UME mini-USB port, labeled *PC*.

4. Main Menu

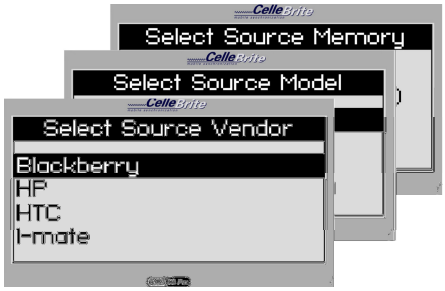
Select Backup from the main menu and press ► to continue.

5.Select Backup Source

Select the source phone vendor, model, source memory to backup and source link method.

This part of the process is identical to that of Phone to Phone Transfer. (see Section 3.3)

Use the ▲▼keys to move between options**.** Press OK or ► to continue**.**

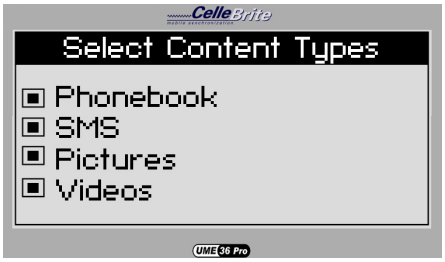


6.Select Backup Target

Select PC as the backup target.

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

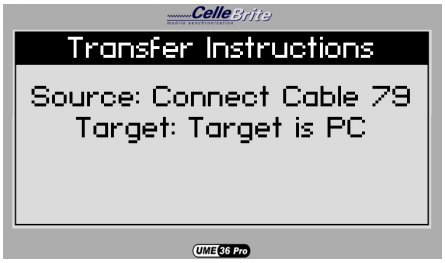
7.Select Content Types



Select the content to backup.

Use the ▲▼ keys to move between options**.** Press OK to select an option. Press ► to continue**.**

8.Transfer Instructions



The UME now provides instructions on how to connect the source phone to the UME.

If the device is a Smart Phone or PDA, you may need to install a client application on the phone. (See Chapter 4)

Press ► to continue**.**

9. Read Data on PC

In the Content Manager software, click on the *Read Phone* icon on the toolbar. The Content Manager will now receive the data from the UME.

10. View, Edit and Save Data

When the transfer is complete, you are able to view all the data. Note that you should save the data by clicking on the *Save* icon.

7.4. Backup Procedure to Web Server

If you have the Cellebrite MyBackup Server, you can perform the backup procedure directly to a web server. Only if the Backup / Restore Server is available, the option of "*HTTP Server*" will appear in the *Backup Target* menu. Choose *HTTP Server* and the backup process will continue.

Before continuing, verify that your UME device is connected to the network via the Ethernet port on the top of the UME.

If the HTTP Server option does not appear on the Backup Target menu, contact your distributor for more information.

7.5. Restore Procedure

The Restore process works exactly the same as the backup process. The storage device (PC, USB Disk Drive or Smart Card) is now the source. The phone is the target.

Restoring from a web server is possible only if the special UME version is installed. Contact your distributor for further information.

Chapter 8. Upgrade

8.1. Overview

Cellebrite continuously updates its software, providing support for new phone devices as they are released by the various phone vendors. The Upgrade process installs these various updates on your UME device.

The UME application is constructed of three main files:

1. Full Image – The core system software
2. Tiny Image – Additional core system software
3. Application – The UME application and data, including support for the various phone models.

When upgrading the software, you can choose to upgrade the Application or the Images (both Tiny and Full).

You can upgrade your UME in one of three ways:

1. Locally via USB Disk Drive
2. Locally via PC
3. Remotely via the Internet

Automatic upgrade can be done when the UME is connected to the internet, via the Ethernet connection. You configure the UME to periodically check the Cellebrite web site for upgrades automatically.

NOTE: When performing an upgrade, the UME will reset itself a number of times. Do not interrupt the process at any stage. The full upgrade process takes approximately four minutes.

8.2. Upgrade from USB Disk Drive or SD Card

1. Main Menu

Select Services.

Press OK to continue.

2.Services Menu

Select Upgrade.

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

3.Upgrade Menu

For a manual upgrade, you have two options:

- Upgrade Application Now – The 'application' refers to the Cellebrite application data, which includes the support information for any new phones. Upgrade Image Now – The 'image' refers to the core software that is running on the UME.

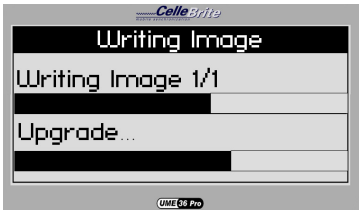
Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

4.Upgrade Source

Choose USB Disk Drive or SD Card, according to where you have copied the upgrade files.

Use the ▲▼ keys to move between options**.** Press OK or ► to continue.

5.Upgrade



The UME will display the available upgrade files. Select the correct file, Press OK or ► to continue The UME now performs the upgrade. Do not interrupt the UME until the full process is complete.

6.Finish

After finishing the upgrade process, the UME displays a message indicating that it completed the update. It will then restart automatically, and return you to the main menu.

8.3. Upgrade from PC

In order to upgrade from PC, the Upgrade Utility is required on your PC. If it is not already installed, run the installation located on the CD in the UME Kit.

When upgrading from a PC, the process is similar to that described above for USB Disk Drive, with a few additional steps on your PC, as described below.

1. Select Update Type and Source

On the UME, after choosing *Services / Upgrade,* choose the type of upgrade (Application or Image) and select *PC* as the source for the upgrade.

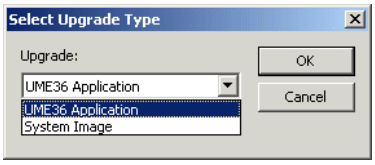
Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

2.Run the Upgrade Program on the PC

Run the Upgrade Program, via "Start / Programs / Cellebrite / Upgrade Program."

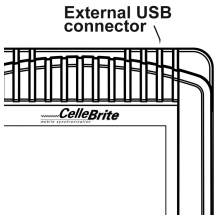
3. Select Upgrade Type

On your PC, select the upgrade type, according to the type that you chose in step 1



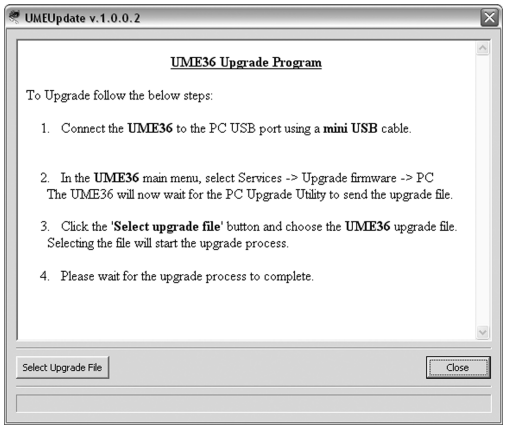
4. Connect the UME to the PC

Connect your UME to the PC using the mini-USB cable provided in the kit. The cable connects to any standard USB port on the PC.



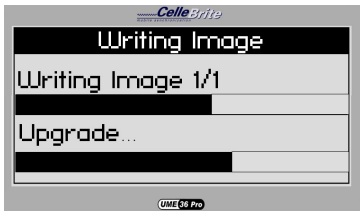
5.Start the upgrade process

Start the upgrade process by performing the steps that are requested by the software's dialog box displayed on your PC.


UMEUpdate v.1.0.0.2
UME36 Upgrade Program
To Upgrade follow the below steps:
1. Connect the UME36 to the PC USB port using a mini USB cable.
2. In the UME36 main menu, select Services -> Upgrade firmware -> PC
The UME36 will now wait for the PC Upgrade Utility to send the upgrade file.
3. Click the 'Select upgrade file' button and choose the UME36 upgrade file.
Selecting the file will start the upgrade process.
4. Please wait for the upgrade process to complete.
Select Upgrade File
Close

6.Upgrade

The UME now performs the upgrade. Do not interrupt the UME until the full process is complete.



7.Finish

After finishing the upgrade process, the UME displays a message indicating that it completed the update. It will then restart automatically, and return to the main menu.

8.4. Upgrade from Web

1. Configure HTTP Settings (one time only)

To upgrade from the web, first make sure that the FTP/HTTP settings are initialized properly. For most network environments, the UME comes preconfigured properly. In some cases where network environments require proxies and userid/passwords, set these settings as described in Section 8.5

2. Connect the UME to the network

Connect the UME device to your network via the Ethernet port on the top of the UME. Use a standard Ethernet cable for this connection.

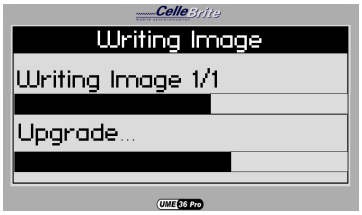
3. Select Update Type and Source

On the UME, after choosing *Services / Upgrade,* choose the type of upgrade (Application or Image) and select *HTTP Server* as the source for the upgrade.

Use the ▲▼ keys to move between options**.** Press OK or ► to continue**.**

4. Upgrade

The UME now performs the upgrade, by fetching the upgrade files from the HTTP server. Do not interrupt the UME until the full process is complete.



5.Finish

After finishing the upgrade process, the UME displays a message indicating that it completed the update. It will then restart automatically, and return to the main menu.

8.5. Automatic Upgrade from Web

If your UME is connected to the network via the Ethernet port, you can configure it to perform automatic upgrades. This enables you to keep your UME up-to-date without requiring any ongoing interaction.

We recommend using this method, as it eliminates the manual process for each upgrade, and guarantees that your UME remains up to date.

To do this, first select Upgrade Settings from the Upgrade menu. Then, set the following settings according to your preferences and your network requirements, as described below.

Auto Upgrade: Method	• Disabled – The UME will not perform any automated upgrades • FTP – The UME will access an FTP site in order to get upgrade files • HTTP – The UME will use HTTP to access upgrade files
Auto Upgrade: Period	Choose how often you want the UME to check for upgrades – Daily, Weekly or Monthly.
FTP Settings	If you chose FTP for your upgrade method, specify the ftp details, as provided by your distributor. You will need to specify: • FTP Address • Port Number • Username • Password Hit F3 after each screen in order to continue.

FTP Proxy Settings	• Direct Connect – Choose this if your network security does not require a proxy to access external FTP sites. • Use Proxy – If a proxy is needed, choose this option. You will then be asked to provide the address and port of the proxy
HTTP Settings	Similar to the FTP settings, when the upgrade method is HTTP
HTTP Proxy Settings	Similar to FTP Proxy settings, when the upgrade method is HTTP. • App – The application version • Full and Tiny – The software image versions • S/N – The UME Serial Number • ID – The unique identifier

Chapter 9. Services

In addition to Upgrades (see Chapter 8), there are additional administrative tasks that can be performed on the Services menu. These are described below.

9.1. Upgrade

Upgrade is the first option in the Service menu. The options under the Upgrade menu are detailed in Chapter 8.

9.2. Software Versions

Displays the current version numbers and system information.

- App – The application version
- Full and Tiny – The software image versions
- S/N – The UME Serial Number
- ID – The unique identifier, used during the activation process

9.3. Counters

- Show Counters - Shows the number of phonebook and multimedia transactions performed by the UME device
- Reset Counters - Resets all counters to zero
- Set Counters - Allows you to set the counters to a specific value

9.4. Help

- Phone Specific Help - Allows you to view various help information about specific phones
- Generate File – Allows you to generate and export the full help info to a USB disk drive

9.5. Network Settings

Allows you to configure various network settings for the UME device, when connected to a network via the Ethernet port. Settings include:

- IP Type – Dynamic or Static
- DNS Type – Dynamic or Static

9.6. Screen Settings

- Contrast - Modify the contrast level of the LCD screen

9.7. Time and Date

Set the current time and date on the UME device.

9.8. User Settings

User interface

- **Connect Device Prompt** - Turning this feature off will save time by eliminating prompts during the transfer process.
- **Select Language** – Change the menu language
- **Global Settings** – Reset the UME to the original factory settings

Bluetooth

- Turn on or off UME support for Bluetooth. When this parameter is off, phones with only Bluetooth connectivity will not shown in the menus.

9.9. Phonebook Settings: Name Order

Change between "LastName FirstName" and "FirstName LastName" ordering when copying phonebook data

9.10. Multimedia Settings: Estimated Transfer Time

Turn on or off the UME's time estimation. This feature provides additional feedback to the user. However, it in itself results in a slight increase in transfer time.

9.11. Store Details

Allows you to enter a name and phone number. This name and number can be automatically added to the transaction log and can be used for the statistics and reports system.

Chapter 10. Technical Specifications

Power Supply:	Input: AC 100-240V, 50/60Hz Output: DC 12V, 2A
Interfaces:	RJ-45 (source phone) RJ-45 (target phone) USB (source phone) USB (target phone) Mini DIN to PC COM Port SIM reader IrDA (source and target)
IRDA	2 Infrared transceiver modules. Supports STD IrDA speeds (up to 115kbps)
Ethernet controller	LAN91C111, 10/100MBPS Ethernet-controller, and an 8KB packet buffer SDRAM
CPU	Intel XScale micro-architecture
CPU frequency	520MHz
Bus frequency	104MHz Memory Capacity
SD RAM	128MByte (RAM)
Flash memory	Intel StrataFlash embedded memory 64MByte density
Operating System	Microsoft Windows CE
Operating Temperature:	0°C to 70°C / 32°F to 158°F
Storage Temperature:	-40°C to 80°C / -41°F to 176°F
Maximum relative humidity	95%